

10/551,772

STN

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LOGINID:SSPTASXK1621

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	22	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	23	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:16:32 ON 30 JAN 2007

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:16:43 ON 30 JAN 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 JAN 2007 HIGHEST RN 918776-45-1

DICTIONARY FILE UPDATES: 29 JAN 2007 HIGHEST RN 918776-45-1

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

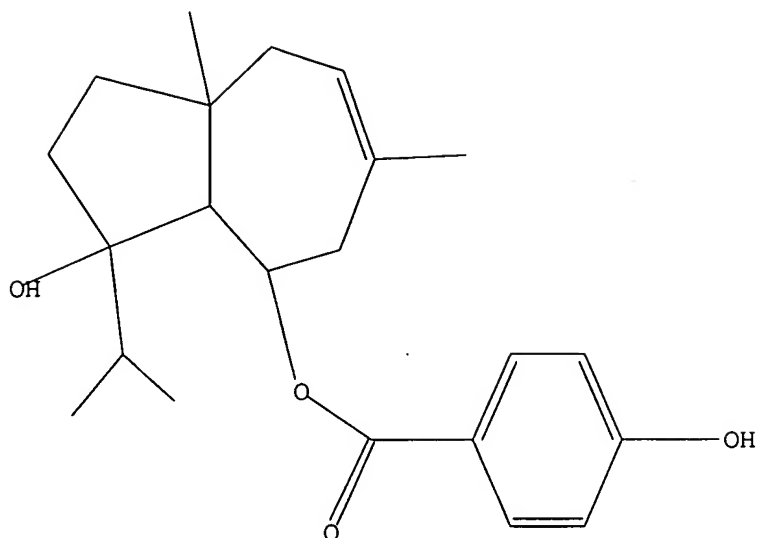
Uploading C:\Program Files\Stnexp\Queries\10\_551772\_2.str

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:17:21 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 29 TO ITERATE

100.0% PROCESSED 29 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 257 TO 903

PROJECTED ANSWERS: 4 TO 200

L2 4 SEA SSS SAM L1

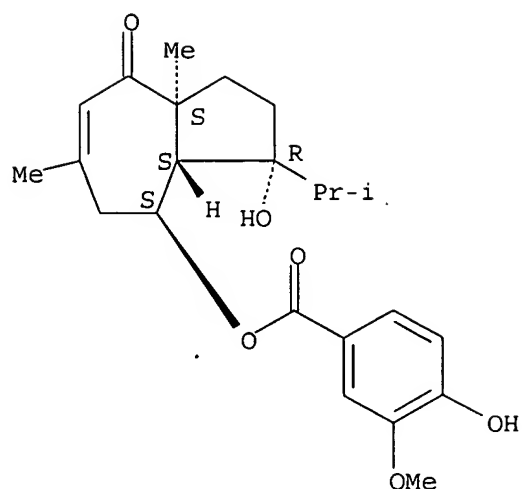
=> d scan

L2 4 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8aS)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-8-oxo-4-azulenyl ester (9CI)

MF C23 H30 O6

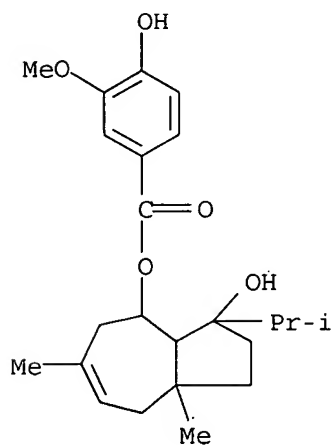
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

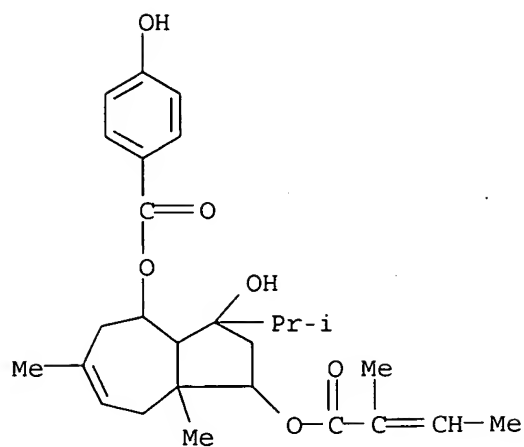
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 4 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Benzoic acid, 4-hydroxy-3-methoxy-, 1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI)  
 MF C23 H32 O5



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L2 4 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Benzoic acid, 4-hydroxy-, 1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-1-[(2-methyl-1-oxo-2-butenyl)oxy]-4-azulenyl ester (9CI)  
 MF C27 H36 O6

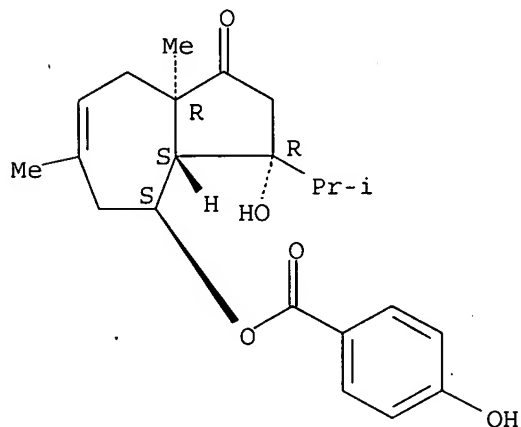


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L2 4 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-1-oxo-4-azulenyl ester (9CI)  
 MF C22 H28 O5

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s 11 sss full  
 FULL SEARCH INITIATED 16:18:04 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 450 TO ITERATE

100.0% PROCESSED 450 ITERATIONS  
 SEARCH TIME: 00.00.01

29 ANSWERS

L3

29 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

172.55

172.76

FILE 'CAPLUS' ENTERED AT 16:18:12 ON 30 JAN 2007

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FILE COVERS 1907 - 30 Jan 2007 VOL 146 ISS 6

FILE LAST UPDATED: 29 Jan 2007 (20070129/ED)

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<http://www.cas.org/infopolicy.html>

=>.s l3/prep

78 L3

4352731 PREP/RL

L4

15 L3/PREP

(L3 (L) PREP/RL)

=> d ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM 15 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:635524 CAPLUS

DOCUMENT NUMBER: 146:19979

TITLE: Ferutinin stimulates nitric oxide synthase activity in median eminence of the rat

AUTHOR(S): Colman-Saizarbitoria, Trina; Boutros, Paulo; Amesty, Angel; Bahsas, Ali; Mathison, Yaira; Garrido, Maria del Rosario; Israel, Anita

CORPORATE SOURCE: Laboratory of Bioassays and Natural Products, Laboratory of Molecular Modeling, School of Pharmacy, Universidad Central de Venezuela, Caracas, Venez.

SOURCE: Journal of Ethnopharmacology (2006), 106(3), 327-332  
CODEN: JOETD7; ISSN: 0378-8741

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Several species of Ferula genus have been used in folk medicine in digestive disorders, rheumatism, headache, arthritis, and as tranquilizers, antispasmodic and aphrodisiac. From the dry and powdered roots of Ferula hermonis Boiss was extracted the oxygenated sesquiterpene 1,5-trans-daucane type: ferutinine (1). The structure of (1) was established by spectroscopic methods as: IR, 1H RMN, 13C RMN, COSY, HMBC, HMQC, NOESY, EIMS, and CIMS. The possible signaling pathway of ferutinine

(1) in nervous tissue in vitro was assessed and the results showed that this compound is able to increase nitric oxide synthase activity and inositol monophosphate accumulation (49%, each) in the median eminence of the rat brain, suggesting that compound (1) is associated to the activation of phosphoinositide breakdown and nitric oxide production (NO), the last is a gaseous intercellular messenger known to play a broad role in human biol. from homeostasis to pathol.

IT 41743-44-6P, Ferutinin

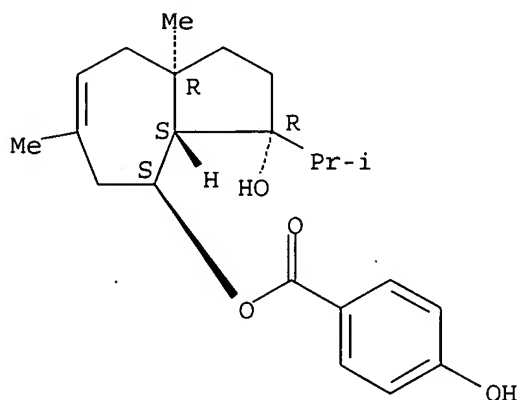
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)

(ferutinin extracted from *Ferula hermonis* increased nitric oxide synthase activity, phosphoinositide breakdown and inositol monophosphate accumulation in median eminence rat brain)

RN 41743-44-6 CAPLUS

CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:681613 CAPLUS

DOCUMENT NUMBER: 143:302470

TITLE: Rare trisubstituted sesquiterpenes daucanes from the wild *Daucus carota*

AUTHOR(S): Ahmed, Ahmed A.; Bishr, Mohktar M.; El-Shanawany, Mohamed A.; Attia, Eman Z.; Ross, Samir A.; Pare, Paul W.

CORPORATE SOURCE: Department of Chemistry, Faculty of Science, El-Minia University, El-Minia, 61519, Egypt

SOURCE: Phytochemistry (Elsevier) (2005), 66(14), 1680-1684  
CODEN: PYTCAS; ISSN: 0031-9422

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Phytochem. and biol. investigation of the roots of the wild *Daucus carota* ssp. *carota* afforded three new and four known compds., including four sesquiterpenes daucane esters (1-3 [new], and 4), one polyacetylene (5), one sesquiterpene coumarin (6), and sitosterol glucoside. The structures of the new compds. were determined by comprehensive NMR studies, including DEPT, COSY, NOESY, HMQC and HMBC analyses. Based on an agar diffusion assay, 1, 2 and 4-6 were screened and found to contain a range of low antibacterial activities against four gram pos. (*Staphylococcus aureus*,

Streptomyces scabies, Bacillus subtilis, Bacillus cereus) and two gram neg. species (Pseudomonas aeruginosa, Escherichia coli) as well as antifungal against Fusarium oxysporum and Aspergillus niger using cup agar diffusion assay.

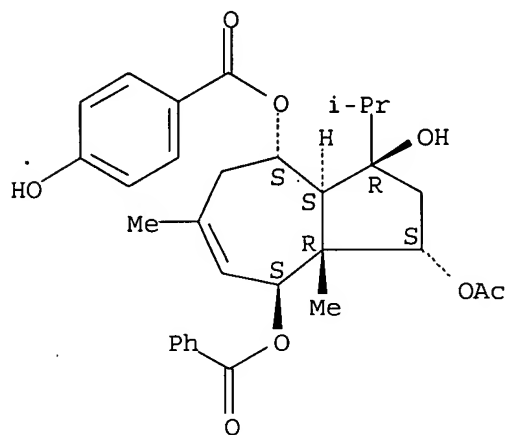
IT 864966-99-4P

RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)  
(trisubstituted sesquiterpenes Daucus carota)

RN 864966-99-4 CAPLUS

CN Benzoic acid, 4-hydroxy-, (1R,3S,3aR,4R,8R,8aS)-1-(acetyloxy)-8-(benzoyloxy)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester, rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.  
Currently available stereo shown.



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:857419 CAPLUS

DOCUMENT NUMBER: 141:337637

TITLE: A process for the preparation of ferutinin from Ferula genus plants

INVENTOR(S): Bombardelli, Ezio; Fontana, Gabriele; Cristoni, Aldo; Mercalli, Enrico

PATENT ASSIGNEE(S): Indena S.P.A., Italy

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087179	A1	20041014	WO 2004-EP3055	20040323
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				

ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
TD, TG

AU 2004226853	A1	20041014	AU 2004-226853	20040323
CA 2521100	A1	20041014	CA 2004-2521100	20040323
EP 1615651	A1	20060118	EP 2004-722572	20040323
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
BR 2004009166	A	20060411	BR 2004-9166	20040323
CN 1767841	A	20060503	CN 2004-80009111	20040323
JP 2006522043	T	20060928	JP 2006-504815	20040323
NO 2005004545	A	20051006	NO 2005-4545	20051003
US 2006275246	A1	20061207	US 2005-551772	20051003

PRIORITY APPLN. INFO.: IT 2003-MI661 A 20030404  
WO 2004-EP3055 W 20040323

AB The invention relates to a process for the preparation of ferutinin from *Ferula* spp exts. comprising basic hydrolysis of the exts. and treatment with p-pivaloyloxybenzoic acid. The invention relates also to the use of the exts. and ferutinin in the cosmetic and dermatol. field.

IT 41743-44-6P, Ferutinin

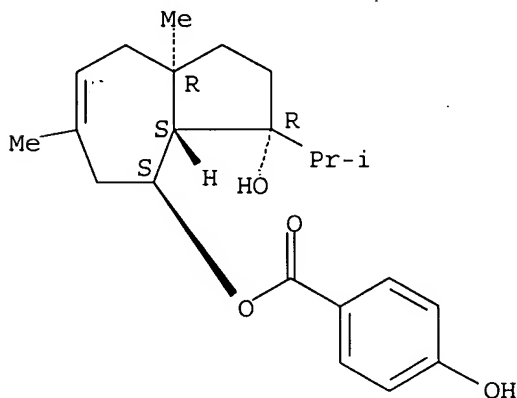
RL: BPN (Biosynthetic preparation); COS (Cosmetic use); NPO (Natural product occurrence); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)

(process for the preparation of ferutinin from *Ferula* genus plants)

RN 41743-44-6 CAPLUS

CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:690919 CAPLUS

DOCUMENT NUMBER: 141:366336

TITLE: Structure-Activity Relationships of the Estrogenic Sesquiterpene Ester Ferutinin. Modification of the Terpenoid Core

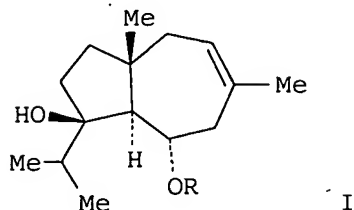
AUTHOR(S): Appendino, Giovanni; Spagliardi, Paola; Sterner, Olov; Milligan, Stuart

CORPORATE SOURCE: Dipartimento di Scienze Chimiche Alimentari Farmaceutiche e Farmacologiche, Universita del Piemonte Orientale, Novara, 28100, Italy

SOURCE: Journal of Natural Products (2004), 67(9), 1557-1564

PUBLISHER:  
DOCUMENT TYPE:  
LANGUAGE:  
OTHER SOURCE(S):  
GI

CODEN: JNPRDF; ISSN: 0163-3864  
American Chemical Society  
Journal  
English  
CASREACT 141:366336



AB Esterification of p-hydroxybenzoic acid, a very weak estrogenic compound, with the daucane alc. jaeschkeanadiol (I; R = H) leads to a spectacular magnification of the estrogenic activity. To identify the structural elements responsible for this effect, the terpenoid core of jaeschkeanadiol p-hydroxybenzoate (ferutinin, I; R = COC6H4OH-4) was modified, capitalizing on the presence of two functionalities, the monoacylated, hydrogen-bonded 1,3-diol system and the double bond. The hydrogen bonding, while possibly useful, was not critical for activity, while hydrogenation and cyclopropanation of the double bond were tolerated. Conversely, oxidative modifications of the double bond that placed a hydroxyl on the  $\alpha$ -face of the mol. proved detrimental. Taken together, these observations identified the substitution at C-8/C-9 as critical for activity.

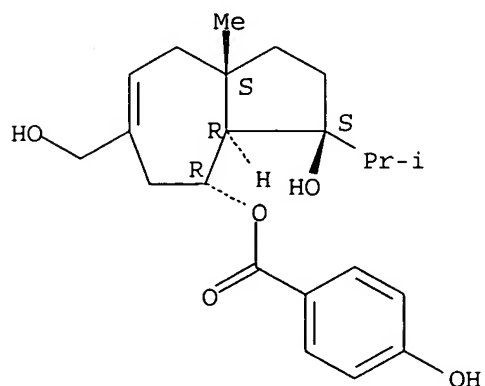
IT 109517-73-9P, 14-Hydroxyferutinin 302342-52-5P,  
14-Oxoferutinin

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);  
BIOL (Biological study); PREP (Preparation)  
(preparation and estrogenic activity of ferutinin analogs)

RN 109517-73-9 CAPLUS

CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6-(hydroxymethyl)-8a-methyl-3-(1-methylethyl)-4-azulenyl ester, rel-(+)- (9CI) (CA INDEX NAME)

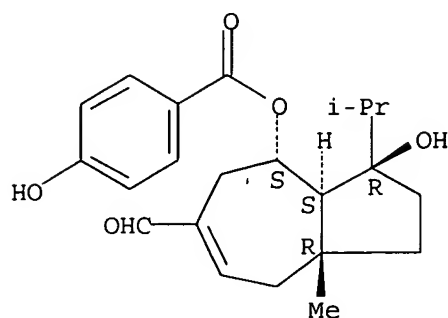
Rotation (+). Absolute stereochemistry unknown.



RN 302342-52-5 CAPLUS

CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-6-formyl-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-8a-methyl-3-(1-methylethyl)-4-azulenyl ester (9CI)  
(CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:541439 CAPLUS

DOCUMENT NUMBER: 141:346209

TITLE: Structure of Samferine

AUTHOR(S): Eshbakova, K. A.; Saidkhodzhaev, A. I.

CORPORATE SOURCE: S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Uzbekistan

SOURCE: Chemistry of Natural Compounds (Translation of Khimiya Prirodnikh Soedinenii) (2004), 40(2), 194-195

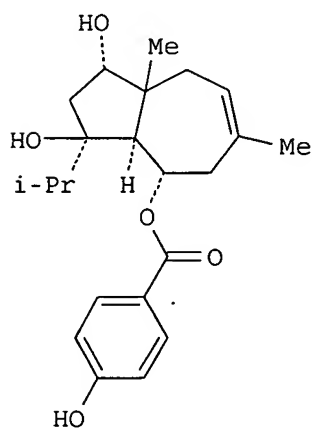
CODEN: CHNCA8; ISSN: 0009-3130

PUBLISHER: Kluwer Academic/Consultants Bureau

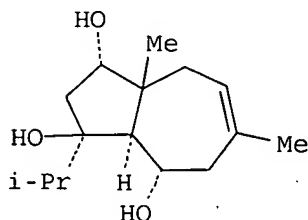
DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I



II

AB The authors have isolated a new compound samferine (I), of formula C<sub>22</sub>H<sub>30</sub>O<sub>5</sub>, from the roots of *F. samarcandica* Korov. Alkaline hydrolysis of I produced a sesquiterpene alc. samferol (II), of the formula C<sub>15</sub>H<sub>26</sub>O<sub>3</sub>, from the neutral part of the hydrolyzate.

IT 774577-57-0P, Samferine

RL: NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); RCT (Reactant); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); RACT (Reactant or reagent)

(isolation and mol. structure of sesquiterpene ester samferine from *F.*

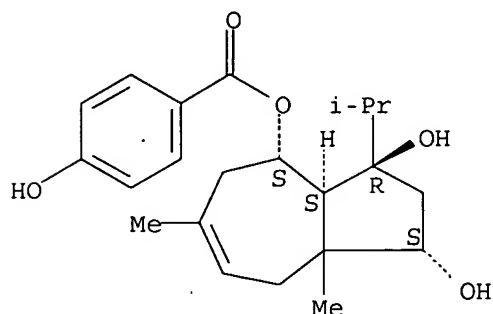
samarcandica)

RN 774577-57-0 CAPLUS

CN Benzoic acid, 4-hydroxy-, (1R,3S,3aR,4R)-1,2,3,3a,4,5,8,8a-octahydro-1,3-dihydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester, rel- (9CI)  
(CA INDEX NAME)

Relative stereochemistry.

Currently available stereo shown.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:709827 CAPLUS

DOCUMENT NUMBER: 137:363261

TITLE: Daucane phytoestrogens: a structure-activity study

AUTHOR(S): Appendino, Giovanni; Spagliardi, Paola; Cravotto, Giancarlo; Pocock, Victoria; Milligan, Stuart

CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Alimentari, Farmaceutiche e Farmacologiche, Universita del Piemonte Orientale, Novara, 28100, Italy

SOURCE: Journal of Natural Products (2002), 65(11), 1612-1615  
CODEN: JNPRDF; ISSN: 0163-3864

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The estrogenic activity of a series of analogs of the daucane ester ferutinin modified at the acyl moiety was investigated in a yeast screen containing the human estrogen receptor  $\alpha$ . Rather strict structure-activity relationships were observed. Thus, while the parent polyol (jaeschkeanadiol) was inactive, the presence of a p-hydroxybenzoyl moiety was necessary for activity in the yeast screen. Homologation and vinylation were both detrimental for activity, as were methylation of the p-hydroxyl substituent and the introduction of oxygen functions on the adjacent carbons.

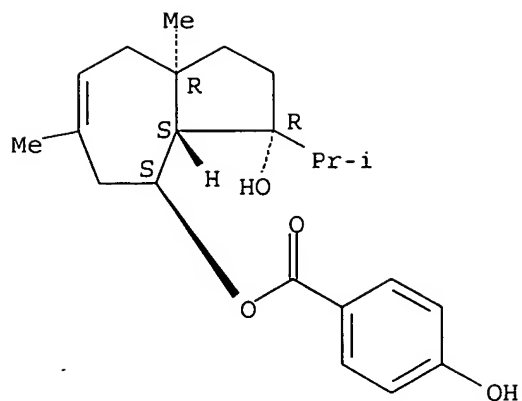
IT 41743-44-6DP, Ferutinin, derivs. 41743-44-6P, Ferutinin  
54526-95-3P 126783-56-0P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(daucane phytoestrogens: a structure-activity study)

RN 41743-44-6 CAPLUS

CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

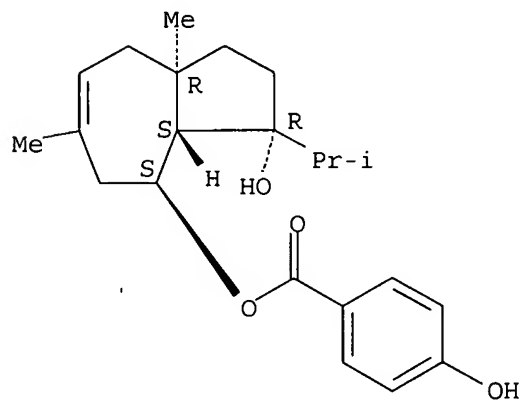
Absolute stereochemistry.



RN 41743-44-6 CAPLUS

CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

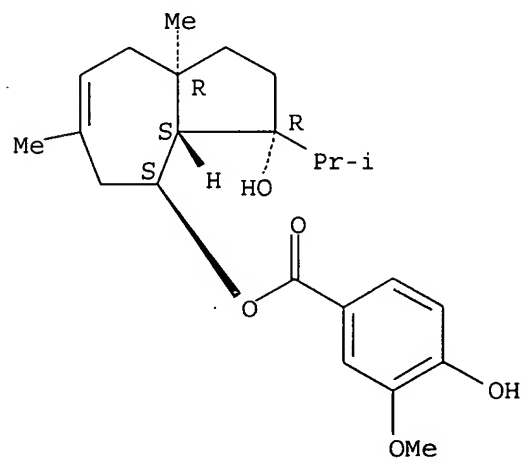
Absolute stereochemistry.



RN 54526-95-3 CAPLUS

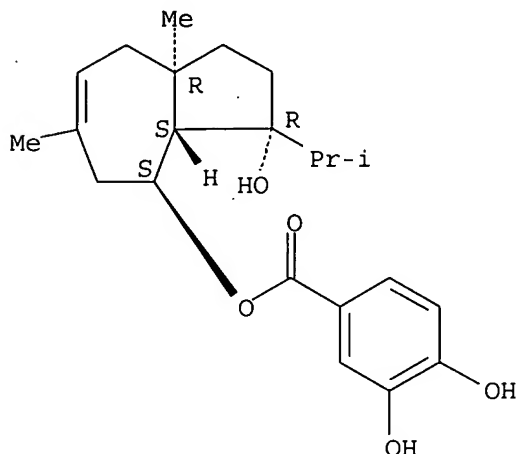
CN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 126783-56-0 CAPLUS  
CN Benzoic acid, 3,4-dihydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

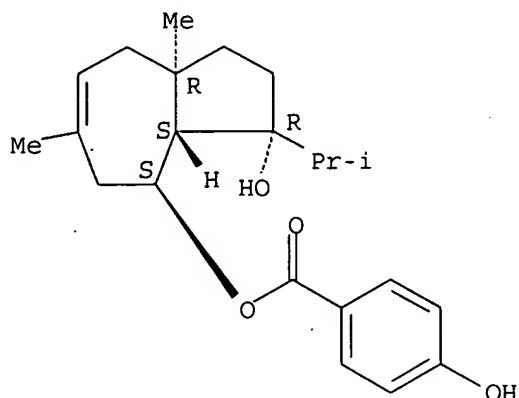
Absolute stereochemistry.



REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2002:315620 CAPLUS  
DOCUMENT NUMBER: 137:332761  
TITLE: Antimicrobial sesquiterpene from the roots of *Ferula harmonis*  
AUTHOR(S): Al-Sha'er, M.; Darwish, R. M.; Aburjai, T.  
CORPORATE SOURCE: Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, Amman, 11942, Jordan  
SOURCE: Acta Technologiae et Legis Medicamenti (2001), 12(3), 255-264  
CODEN: ATLMEQ; ISSN: 1121-2098  
PUBLISHER: Maccari Editore  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Two known sesquiterpenes were isolated for the first time from the roots of *Ferula harmonis* F. (Umbelliferae). Their structures were assigned by spectroscopic (MS, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR) and phys. means as ferutinin and teferidine. The antimicrobial activity of the crude exts. and the isolated compds. was tested against four different microorganisms. Ferutinin showed good antibacterial activity against *S. aureus* and weak antifungal activity against *A. niger*. Teferidine, showed no antimicrobial activity against the tested microorganisms. Our results revealed the importance of the phenolic hydroxyl group for the antimicrobial activity of these compds.  
IT 41743-44-6P, Ferutinin  
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)  
(antimicrobial sesquiterpene from the roots of *Ferula harmonis*)  
RN 41743-44-6 CAPLUS  
CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:771413 CAPLUS

DOCUMENT NUMBER: 136:180636

TITLE: Sesquiterpenoids from the fruits of *Ferula kuhistanica* and antibacterial activity of the constituents of *F. kuhistanica*

AUTHOR(S): Tamemoto, Kimiko; Takaishi, Yoshihisa; Chen, Bei; Kawazoe, Kazuyoshi; Shibata, Hirofumi; Higuti, Tomihiko; Honda, Gisho; Ito, Michiho; Takeda, Yoshio; Kodzhimatov, Olimjon K.; Ashurmetov, Ozodbek

CORPORATE SOURCE: Faculty of Pharmaceutical Sciences, University of Tokushima, Tokushima, 770-8505, Japan

SOURCE: *Phytochemistry* (2001), 58(5), 763-767

CODEN: PYTCAS; ISSN: 0031-9422

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Et acetate exts. of the air-dried fruits of *Ferula kuhistanica* afforded three daucane esters: kuhistanicaols H, I and J (I, II, and III, resp.), together with nine other known compds. Their structures were established on the basis of spectroscopic evidence. Isolated compds. in this paper and previously reported compds. from the roots and stems of *F. kuhistanica* were tested for antibacterial activity. Some of them were selectively toxic against Gram-pos. bacteria, including methicillin-sensitive and methicillin-resistant *Staphylococcus aureus* (MSSA and MRSA).

IT 41743-44-6P

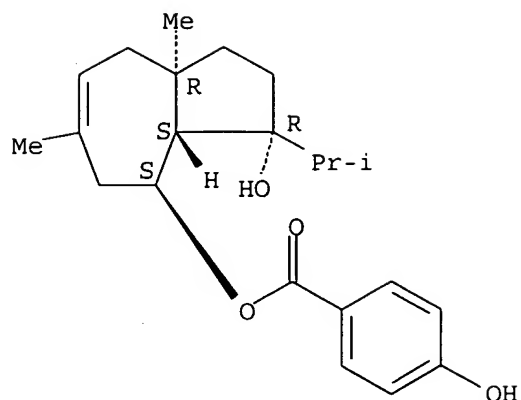
RL: PAC (Pharmacological activity); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(purification from *Ferula kuhistanica* fruit and antibacterial activity of)

RN 41743-44-6 CAPLUS

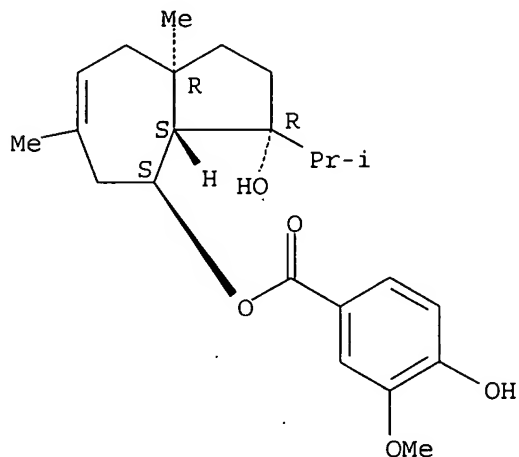
CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



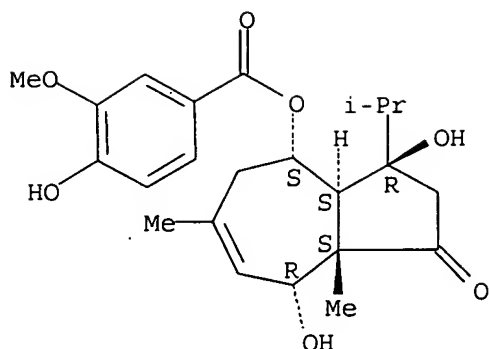
IT 54526-95-3P  
 RL: PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation);  
 USES (Uses)  
 (purification from *Ferula kuhistanica* fruit and antibacterial activity of)  
 RN 54526-95-3 CAPLUS  
 CN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI)  
 (CA INDEX NAME)

Absolute stereochemistry.



IT 399035-10-0P, Kuhistanicaol I  
 RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)  
 (sesquiterpenoids from the fruit of *Ferula kuhistanica* and antibacterial activity of the constituents of *F. kuhistanica*)  
 RN 399035-10-0 CAPLUS  
 CN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8R,8aS)-1,2,3,3a,4,5,8,8a-octahydro-3,8-dihydroxy-6,8a-dimethyl-3-(1-methylethyl)-1-oxo-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:286907 CAPLUS

DOCUMENT NUMBER: 135:43518

TITLE: Daucane aryl esters composition from the Lebanese *Ferula hermonis* Boiss. (zallooh root)

AUTHOR(S): Diab, Youssef; Dolmazon, Rene; Bessiere, Jean-Marie

CORPORATE SOURCE: Universite Libanaise, Faculte des Sciences-2, Jdaidet el-Matn, Lebanon

SOURCE: Flavour and Fragrance Journal (2001), 16(2), 120-122  
CODEN: FFJOED; ISSN: 0882-5734

PUBLISHER: John Wiley & Sons Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The dichloromethane extract of *Ferula hermonis* roots, isolated in 26.5% yield based on dry roots, contained as principal components p-hydroxybenzoate and benzoate of jaeschkeanadiol (52% and 30%, resp.). Some other aryl esters of jaeschkeanadiol and 2,3-epoxide jaeschkeanadiol, as well as  $\alpha$ -bisabolol, were present in small amts.

IT 41743-44-6P, Jaeschkeanadiol p-hydroxybenzoate 54526-95-3P  
, Teferin

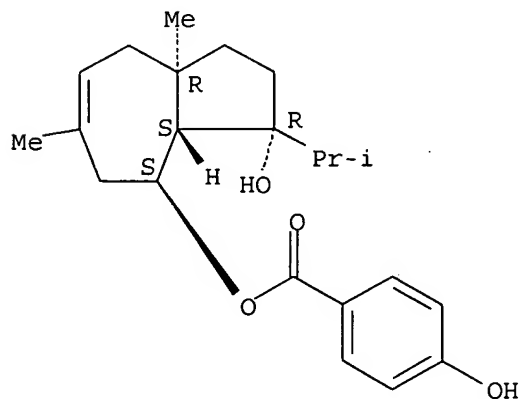
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)

(daucane aryl esters composition from the Lebanese *Ferula hermonis* (zallooh root))

RN 41743-44-6 CAPLUS

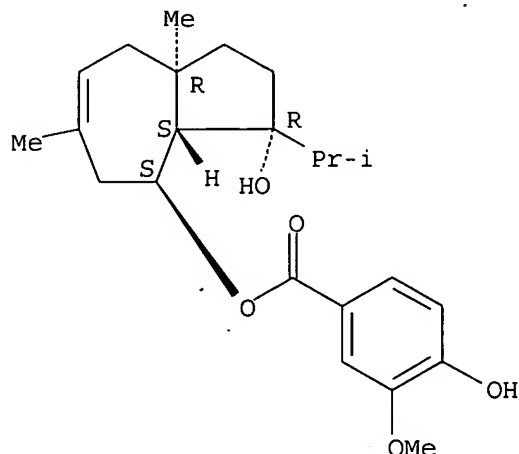
CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 54526-95-3 CAPLUS  
CN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI)  
(CA INDEX NAME)

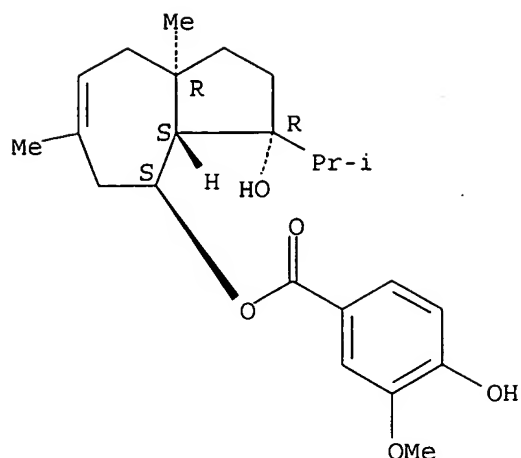
Absolute stereochemistry.



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

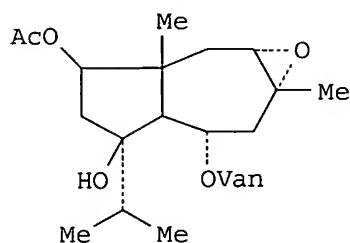
L4 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:4915 CAPLUS  
DOCUMENT NUMBER: 134:219768  
TITLE: Sesquiterpenes from *Ferula hermonis* Boiss  
AUTHOR(S): Galal, A.  
CORPORATE SOURCE: National Center for Natural Products Research, School of Pharmacy, University of Mississippi, University, MS, 38677, USA  
SOURCE: Pharmazie (2000), 55(12), 961-962  
CODEN: PHARAT; ISSN: 0031-7144  
PUBLISHER: Govi-Verlag Pharmazeutischer Verlag  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The roots of *Ferula hermonis* yielded the new 8,9-epoxy derivative of the carotane sesquiterpene jaeschkeanadiol, together with 2 other known sesquiterpenes: (+)- $\alpha$ -bisabolol and jaeschkeanadiol vanillate. The identities of the isolated compds. were established from their spectral data and by comparison with published reports.  
IT 54526-95-3P  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)  
(sesquiterpenes from *Ferula hermonis*)  
RN 54526-95-3 CAPLUS  
CN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

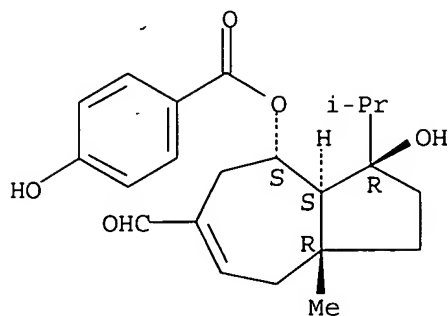
L4 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2000:590836 CAPLUS  
 DOCUMENT NUMBER: 133:319520  
 TITLE: Sesquiterpenoids from *Ferula kuhistanica*  
 AUTHOR(S): Chen, B.; Teranishi, R.; Kawazoe, K.; Takaishi, Y.;  
 Honda, G.; Itoh, M.; Takeda, Y.; Kodzhimatov, O. K.  
 CORPORATE SOURCE: Fac. Pharm. Sci., Univ. Tokushima, Tokushima,  
 770-8505, Japan  
 SOURCE: Phytochemistry (2000), 54(7), 717-722  
 CODEN: PYTCAS; ISSN: 0031-9422  
 PUBLISHER: Elsevier Science Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



I

AB Methanol exts. of the air-dried roots and stems of *Ferula kuhistanica* afforded seven daucane-type sesquiterpenes, called kuhistanicaol A-G (e.g. I, kuhistanicaol A) together with 13 known daucane esters. Their structures were established on the basis of spectroscopic evidence and the results of chemical reactions.  
 IT 302342-52-5P, Kuhistanicaol B 302342-54-7P,  
 Kuhistanicaol D  
 RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)  
 (from *Ferula kuhistanica*)  
 RN 302342-52-5 CAPLUS  
 CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-6-formyl-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-8a-methyl-3-(1-methylethyl)-4-azulenyl ester (9CI)  
 (CA INDEX NAME)

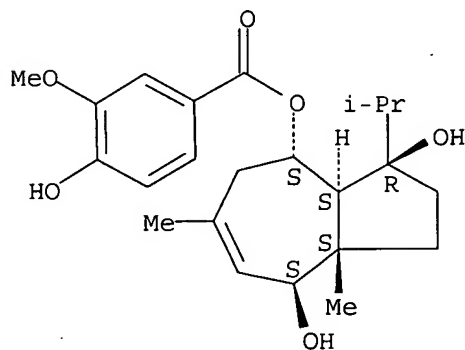
Absolute stereochemistry. Rotation (+).



RN 302342-54-7 CAPLUS

CN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8S,8aS)-1,2,3,3a,4,5,8,8a-octahydro-3,8-dihydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:294524 CAPLUS  
Correction of: 1998:104683

DOCUMENT NUMBER: 130:294014  
Correction of: 128:203022

TITLE: Chemical constituents of rocks of *Ferula licentiana* var. *tunshanica* and *F. kingdonwardii* and their systematical significance

AUTHOR(S): Wang, Nianhe; Yuan, Changqi; Baba, Kimie; Taniguchi, Masahiko; Doi, Mitsunobu

CORPORATE SOURCE: Institute of Botany, Jiangsu Province and Chinese Academy of Sciences, Nanjing, 210014, Peop. Rep. China

SOURCE: Zhiwu Ziyuan Yu Huanjing (1997), 6(4), 15-18, 49  
CODEN: ZZYEJ; ISSN: 1004-0978

PUBLISHER: Zhiwu Ziyuan Yu Huanjing Bianjibu

DOCUMENT TYPE: Journal

LANGUAGE: Chinese

AB Latifolone, p-anisic acid, veratric acid, fercomin, ferutidin, ferutinin, jaeschkeanadiol varatrate, terferin, 1-(7,8-dimethoxy-5,6-methylenedioxy phenyl)propyl (Z)-2-methyl-1-butenate and 4,11,11,10-tetramethyl-1,10-oxirane-4-ene-6-germacrane varatrate were isolated from the ether exts. of the roots of *Ferula licentiana* Hand.-Mazz. var. *tunshanica* Shan et Q. X. Liu and *F. kingdonwardii* Wolff. Among them, 1-(7,8-dimethoxy-5,6-

methylenedioxy phenyl) Pr (Z)-2-methyl-butenolate is a new compound. These two Ferulic plants were distributed on the border of the distribution of this genus, but 7-O-sesquiterpene, one of the characteristic compounds of this genus, was not detectable in these species, and the components of these two plants were similar and comparatively simple. It was suggested that perhaps *Ferula* L., like some other Umbelliferous plants such as *Angelica* L., also originated from the south-west China.

IT 41743-44-6P, Ferutin 54526-95-3P, Teferin

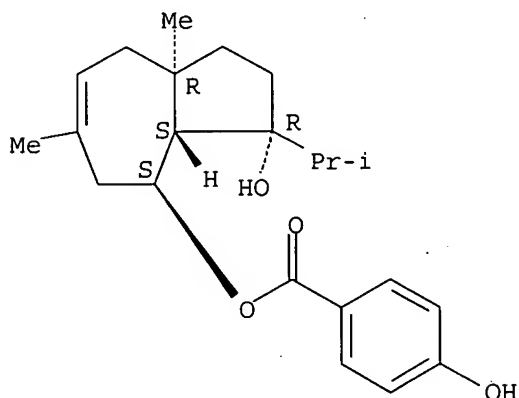
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)

(chemical constituents of roots of *ferula licentiana* var. *tunshanica* and *F. kingdonwardii* and systematical significance)

RN 41743-44-6 CAPLUS

CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

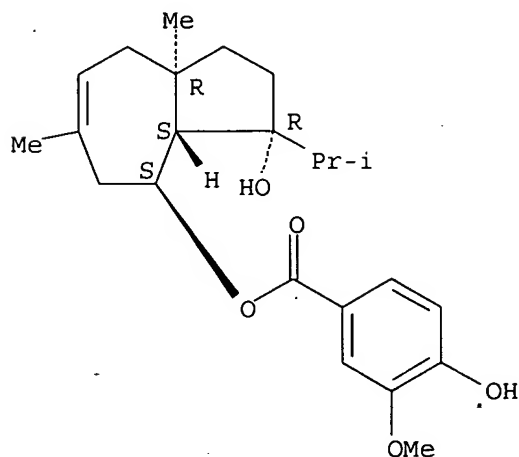
Absolute stereochemistry.



RN 54526-95-3 CAPLUS

CN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



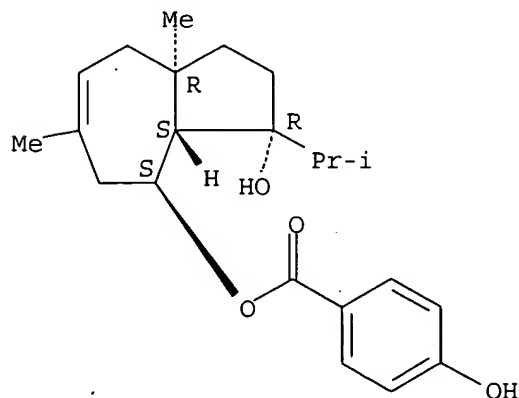
ACCESSION NUMBER: 1998:104683 CAPLUS  
 DOCUMENT NUMBER: 128:203022  
 TITLE: Chemical constituents of roots of *Ferula licentiana* var. *tunshanica* and *F. kingdonwardii* and their systematical significance  
 AUTHOR(S): Wang, Nianhe; Yuan, Changqi; Kimie Baba; Masahiko Taniguchi; Mitsunobu Doi  
 CORPORATE SOURCE: Institute of Botany, Jiangsu Province and Chinese Academy of Sciences, Nanjing, 210014, Peop. Rep. China  
 SOURCE: Zhiwu Ziyuan Yu Huanjing (1997), 6(4), 15-18, 49  
 CODEN: ZZYEJ; ISSN: 1004-0978  
 PUBLISHER: Zhiwu Ziyuan Yu Huanjing Bianjibu  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Chinese

AB Latifolone, p-anisic acid, veratric acid, fercomin, ferutidin, ferutinin, jaeschkeanadiol varatrate, terferin, 1-(7,8-dimethoxy-5,6-methylenedioxy phenyl)propyl (Z)-2-methyl-1-butenolate and 4,11,11,10-tetramethyl-1,10-oxirane-4-ene-6-germacrane varatrate were isolated from the ether exts. of the roots of *Ferula licentiana* Hand.-Mazz. var. *tunshanica* Shan et Q. X. Liu and *F. kingdonwardii* Wolff. Among them, 1-(7,8-dimethoxy-5,6-methylenedioxy phenyl) Pr (Z)-2-methyl-butenolate is a new compound. These two *Ferulious* plants were distributed on the border of the distribution of this genus, but 7-O-sesquiterpene, one of the characteristic compds. of this genus, was not detectable in these species, and the components of these two plants were similar and comparatively simple. It was suggested that perhaps *Ferula* L., like some other Umbelliferous plants such as *Angelica* L., also originated from the south-west China.

IT 41743-44-6P, Ferutinin 54526-95-3P, Teferin  
 RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)  
 (chemical constituents of roots of *ferula licentiana* var. *tunshanica* and *F. kingdonwardii* and systematical significance)

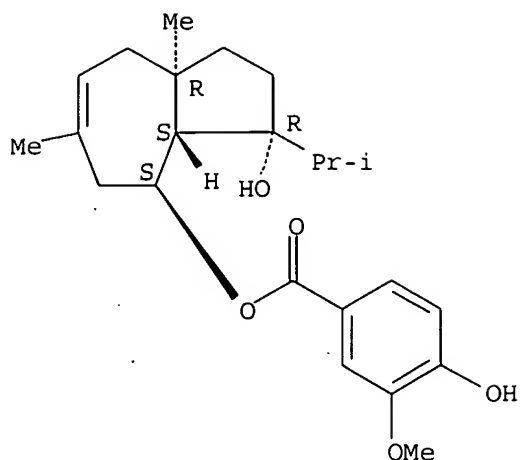
RN 41743-44-6 CAPLUS  
 CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 54526-95-3 CAPLUS  
 CN Benzoic acid, 4-hydroxy-3-methoxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:844841 CAPLUS

DOCUMENT NUMBER: 124:4913

TITLE: Carotane sesquiterpenes from *Ferula sinaica* Boiss growing in Egypt

AUTHOR(S): Ibraheim, Zidan Z.; Darwish, Faten M. M.; Abdel-Halim, Osama B.; Halim, Ahmed F.

CORPORATE SOURCE: Faculty Pharmacy, Assiut University, Assiut, Egypt

SOURCE: Alexandria Journal of Pharmaceutical Sciences (1995), 9(2), 115-20

CODEN: AJPSES; ISSN: 1110-1792

PUBLISHER: University of Alexandria, Faculty of Pharmacy

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Phytochem. investigation of the air-dried roots of *Ferula sinaica* Boiss resulted in the isolation and identification of ten known carotane sesquiterpenes. Of these, seven compds. were isolated for the first time from this species and characterized as: 1- $\alpha$ -angeloyloxy-5- $\alpha$ -p-methoxybenzoyloxy-10- $\beta$ -hydroxydauc-2-ene, lancerodiol p-methoxybenzoate, p-methoxybenzoate of epoxyjaeschkeanadiol, p-hydroxybenzoate of epoxyjaeschkeanadiol, isolancerotriol-5-p-methoxybenzoate, 1 $\alpha$ - $\beta$ -hydroxy-5- $\alpha$ -p-methoxybenzoyloxy-10- $\beta$ -hydroxydauc-2-ene and 1- $\alpha$ -hydroxy-5- $\alpha$ -p-methoxybenzoyloxy-10- $\beta$ -hydroxydauc-2-ene in addition to  $\beta$ -sitosterol. Identification of the isolated compds. was established using phys. and spectroscopic methods.

IT 41743-44-6P 119425-93-3P 170971-43-4P,

Ferulinkiol 1- $\alpha$ -hydroxy-5- $\alpha$ -p-hydroxybenzoate

RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence);

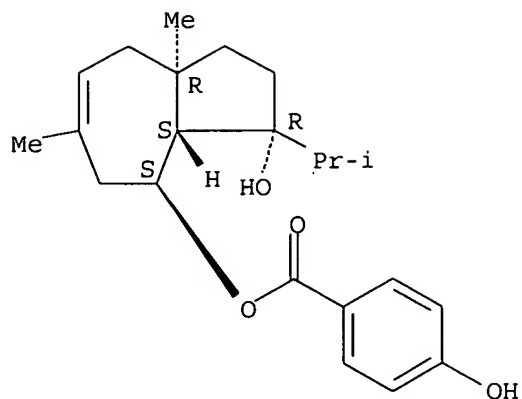
PREP (Preparation)

(carotane sesquiterpenes from *Ferula sinaica* growing in Egypt)

RN 41743-44-6 CAPLUS

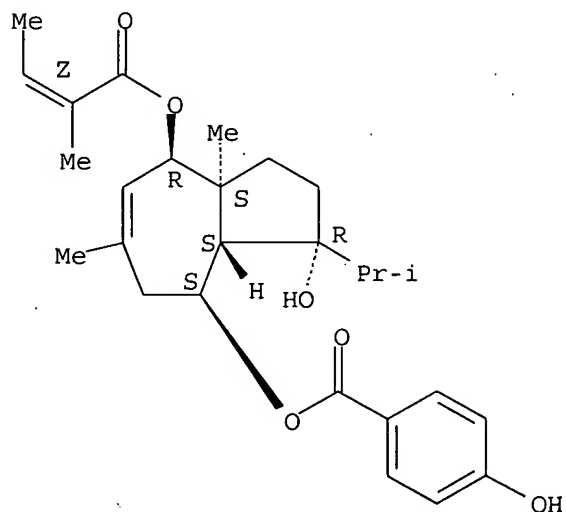
CN Benzoic acid, 4-hydroxy-, (3R,3aS,4S,8aR)-1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



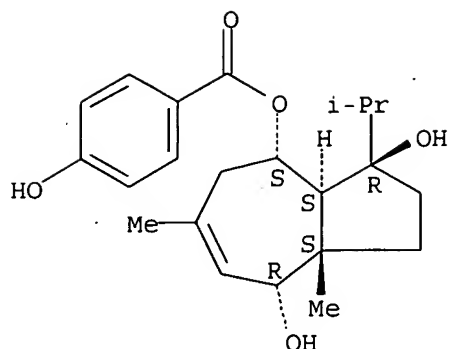
RN 119425-93-3 CAPLUS  
 CN Benzoic acid, 4-hydroxy-, 1,2,3,3a,4,5,8,8a-octahydro-3-hydroxy-6,8a-dimethyl-3-(1-methylethyl)-8-[(2-methyl-1-oxo-2-butenyl)oxy]-4-azulenyl ester, [3R-[3 $\alpha$ ,3 $\beta$ ,4 $\beta$ ,8 $\beta$ (Z),8 $\alpha$ ]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry as shown.

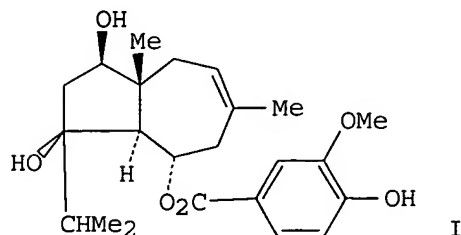


RN 170971-43-4 CAPLUS  
 CN Benzoic acid, 4-hydroxy-, 1,2,3,3a,4,5,8,8a-octahydro-3,8-dihydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester, (3 $\alpha$ ,3 $\beta$ ,4 $\beta$ ,8 $\beta$ ,8 $\alpha$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Currently available stereo shown.

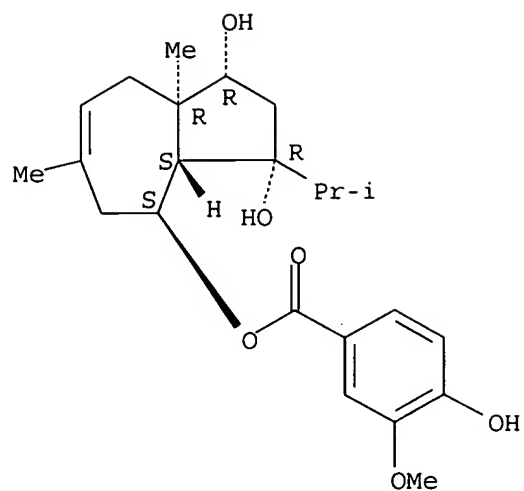


L4 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1980:471992 CAPLUS  
 DOCUMENT NUMBER: 93:71992  
 TITLE: Structure of jaeschferin  
 AUTHOR(S): Bizhanova, K. B.; Saidkhodzhaev, A. I.; Malikov, V. M.  
 CORPORATE SOURCE: Inst. Khim. Rastit. Veshchestv, Tashkent, USSR  
 SOURCE: Khimiya Prirodnikh Soedinenii (1980), (1), 127-8  
 CODEN: KPSUAR; ISSN: 0023-1150  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 GI



AB The structure of jaeschferin (I), a sesquiterpene ester isolated from  
 Ferula iaeschkeana, was confirmed by mass and NMR spectra.  
 IT 74345-97-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 74345-97-4 CAPLUS  
 CN Benzoic acid, 4-hydroxy-3-methoxy-, 1,2,3,3a,4,5,8,8a-octahydro-1,3-  
 dihydroxy-6,8a-dimethyl-3-(1-methylethyl)-4-azulenyl ester, diacetate,  
 (1 $\alpha$ ,3 $\alpha$ ,3a $\beta$ ,4 $\beta$ ,8a $\alpha$ ) - (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 74285-96-4  
 CMF C23 H32 O6

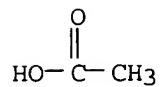
Rotation (+). Absolute stereochemistry unknown.



CM 2

CRN 64-19-7

CMF C2 H4 O2



=> d his

(FILE 'HOME' ENTERED AT 16:16:32 ON 30 JAN 2007)

FILE 'REGISTRY' ENTERED AT 16:16:43 ON 30 JAN 2007

L1 STRUCTURE UPLOADED

L2 4 S L1 SSS SAM

L3 29 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 16:18:12 ON 30 JAN 2007

L4 15 S L3/PREP

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